

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0044 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy **Locality:**
Date Desc.: 11/10/91 **Elevation:** 290 metres
Map Ref.: **Rainfall:** No Data
Northing/Long.: 6260460 AMG zone: 50 **Runoff:** No Data
Easting/Lat.: 575820 Datum: AGD84 **Drainage:** Imperfectly drained

Geology

ExposureType: Auger boring **Conf. Sub. is Parent. Mat.:** No Data
Geol. Ref.: No Data **Substrate Material:** No Data

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Lower-slope **Relief:** 10 metres
Elem. Type: Hillslope **Slope Category:** No Data
Slope: 2 % **Aspect:** 90 degrees

Surface Soil Condition Hardsetting, Hardsetting

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
 N/A **Principal Profile Form:** Dy3.11
ASC Confidence: **Great Soil Group:** N/A
 Confidence level not specified

Site Cultivation. Rainfed

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

Ap 0 - 0.15 m Black (7.5YR2/0-Moist); , 0-0% ; Coarse sandy clay loam; Massive grade of structure;
 Sandy (grains prominent) fabric; Dry; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change
 to -

 B21t 0.15 - 0.5 m Yellow (10YR7/6-Moist); Mottles, 10YR86, 2-10% , 0-5mm, Faint; Medium clay; Moderate
 grade of structure; Rough-ped fabric; Moderately moist; Soil matrix is Slightly calcareous; Field pH
 8.5
 (Raupach); Gradual change to -

 B22t 0.5 - 1 m Light grey (10YR7/1-Moist); Mottles, 10R46, 10-20% , 5-15mm, Prominent; Medium clay;
 Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 6 (Raupach);

Morphological Notes

B21t SAMPLED +S
 B22t +S

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg K	Na	Acidity			%
					Cmol (+)/kg				
0.17 - 0.5	7.4B	15B	2.21E	2.98	0.1	1.22	6B	6.51D	20.33
	8.4H								
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Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³				%	
0.17 - 0.5 44	<2C									51I		5
0.17 - 0.5 44	<2C									51I		5
0.17 - 0.5 44	<2C									51I		5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded